

Peaceful Nuclear Cooperation

U.S. Support for NPT Article IV

UNITED STATES & SINGAPORE

Through the International Atomic Energy Agency (IAEA), the United States contributes to the work of many countries using nuclear materials and technology for peaceful purposes. In recent years, U.S. support has focused on achieving tangible and lasting benefits in fields that are vital to human development, including agriculture, human health, water resource management, and human resource development. Since 2000, the IAEA has approved and funded \$1,009,110, including \$102,190 in 2013, under its Technical Cooperation (TC) program for projects in Singapore.

In addition to the United States' longstanding support for the IAEA's activities to promote peaceful nuclear applications, at the 2010 NPT Review Conference, the United States announced a \$100 million USD effort to expand this support over the next five years. The United States has pledged \$50 million towards the IAEA's Peaceful Uses Initiative (PUI), focusing on human health, food security, water resource management, and nuclear power infrastructure development.



Sediment sampling for the study and control of pollutants. Credit: Dean Calma/IAEA

The U.S. views its support for peaceful uses of nuclear energy, to which all NPT Parties are entitled, as a critical part of its broader effort to strengthen the IAEA and the global nuclear nonproliferation regime. The U.S. has already designated over \$22 million for IAEA projects benefitting over 120 countries, including Singapore, for which funding was previously unavailable. The United States is working with partners to reach the \$100 million goal, and welcomes commitments of over \$12 million from Japan, the Republic of Korea, New Zealand, the Czech Republic, Hungary, Sweden, Australia, France, Indonesia, Brazil, Italy, the UK and Kazakhstan.

NUCLEAR ENERGY

An increasing number of Member States are considering nuclear power as part of their electricity generation options, and those Member States need comprehensive and credible information on nuclear power issues such as cost and benefit, energy security and environmental impact to support their decision making. Singapore recently participated in a regional TC project supported by the U.S. that provided comprehensive information to Member States to support their decision making regarding nuclear power planning and development.

NUCLEAR SAFETY

Singapore recently participated in a regional TC project supported by the United States to strengthen the remaining elements of its national regulatory framework for radiation safety to meet international standards as well as to establish a regional network of regulatory authorities to exchange information and share experiences.

HUMAN HEALTH

Singapore is participating in a project, coordinated by the IAEA's Department of Nuclear Sciences and Applications and supported by the United States, to strengthen biological dosimetry in the Asia and the Pacific region. The project aims to increase the preparedness of participating Member States to react to national and regional radiation and nuclear accidents by establishing suitable standards to monitor individuals exposed to radiation; updating existing technologies and introducing new technologies; and initiating national, regional and interregional networks on biological dosimetry which can be engaged in scenarios of mass casualties.

ENVIRONMENT

Singapore is currently participating in a regional TC project supported by the United States to evaluate the extent and possible impact of the releases of radioactivity from the Fukushima Daiichi nuclear power plant into the marine environment and make scientific assessments of the data.

HUMAN RESOURCES

To contribute to Member States' manpower development, the IAEA awards individual fellowships and organizes group training courses. Since 2000, the U.S. has hosted several training courses that included Singaporean participants in the fields of nuclear security and radiotherapy.

Additionally, since 2000, three U.S. experts have traveled to Singapore to collaborate through IAEA Technical Cooperation projects. Topics included facility planning and design, radiation protection, and commercial bids.

FOR ADDITIONAL INFORMATION, CONTACT:

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